



The Halifax Amateur Radio Club

REFLECTOR

PO BOX 663
HALIFAX NS
B3J 2T3

May 2003 Volume 64 Number 5

club address: www.halifax-arc.org



2003 is RAC's 10th Anniversary



HARC Club Station phone number - 490-6421

See the HARC Web site at: <http://www.halifax-arc.org>

Our executive and committees.

<u>Position Name & Call Sign</u>	<u>Phone #</u>	<u>E-Mail</u>
President - Dick Grantham, VE1AI	434-8046	ve1ai@rac.ca
First V.P. - Fraser MacDougall VE1WO	865-4198	
2nd V.P. - Lynn Bowser, VE1ENT	865-8567	ve1ent@rac.ca
Secretary - Wayne Ernst, VE1GPK	820-2132	ve1gpk@rac.ca
Treasurer - Jeremy Fowler, VE1JHF	835-6651	ve1jhf@rac.ca
Member at Large - Howard Dickson, VE1DHD	823-2024	ve1dhd@rac.ca
Club Station Mgr. - John Goodwin, VE1CDD	865-5731	ve1cdd@rac.ca
Past President - Bill Elliott, VE1MR	865-8567	ve1mr@rac.ca

Committees/Offices/Prime Contacts

Public Relations: Wayne Harasimovitch, VE1WPH	832-3660	ve1wph@rac.ca
IPARN and Brit Fader Memorial QSL Bureau Manager - Bob Burns, VE1VCK	865-9414	ve1vck@rac.ca
EMO Coordinator - Dave George, VE1AJP	466-8723	dgeorge@is.dal.ca
Reflector editor - Lynn Bowser, VE1ENT	865-8567	ve1ent@rac.ca
Reflector Distribution- Tom Caithness, VE1GTC	477-7081	ve1gtc@rac.ca
Membership - Tom Caithness, VE1GTC	477-7081	ve1gtc@rac.ca
Web page - Rob Ewert, VE1KS,	826-1705	ewertr@hfx.eastlink.ca
Basic ham course Coordinator Assistant -		
EMO Trailer Assembly coord - David Musgrave, VE1EDA	435-4333	ve1eda@rac.ca
Flea market Chairman -		
Field Day coordinator - John Goodwin, VE1CDD	865-5731	ve1cdd@rac.ca
RAC Asst Director - Wayne Marchand, VE1WJM,	860-1580	ve1wjm@rac.ca
NSARA Director - Barry Diggins, VE1TRI	861-3719	ve1tri@rac.ca
Frequency coordinator for Nova Scotia - Bev Reynolds, VE1TL		

GENERAL INFORMATION

TAKE-15 NET:

Sunday evenings at 8:30 PM on
VE1PSR - 147.270 MHz +

AMSAT Net: Sunday evenings fol-
lowing the Take 15 Net.

CLUB REPEATERS:

VE1PSR - 147.270 MHz +
VE1HNS - 146.940 MHz -

PACKET:

VE1NSD - 145.050 MHz LAN NODE
VE1BBS - Local packet BBS
accessible through the LAN

The HARC Reflector is also
available on the web (a little after
the paper copy) courtesy of Rob
Ewert, VE1KS, by connecting to
www.halifax-arc.org

Puzzler - Do You Know?

Which is the oldest
radio club in Canada?

Answer on page 10



www.rac.ca

RAC's web site has URLs to swap
shops all over the country.

The **May General Meeting** of the Halifax Amateur Radio Club will take place Wednesday, May 21, 2003 at 1930 hours (7:30 PM), at the former Bloomfield School building (corner of Almon and Agricola streets). The meeting will be held in the Multi-Purpose Room. Our guest speaker will be Barry Manuel, VE1JRG, talking about EMO and Amateur Radio. Guests are welcome.

Scheduled **entertainment** for **HARC general meetings:**

June - John Goodwin, VE1CDD -
Field Day

September - open at present

October - Fast Scan TV and/or
APRS speaker TBA

See the ARRL Contest Branch page,
<http://www.arrl.org/contests/>

And <http://www.hornucopia.com/contestcal/weeklycont.html>

Take-15 Net Controllers

NOTE: There have been some
changes.

This will be the rotation.

If you cannot take the net on your particular evening get in touch with one of the others and trade places with them. If I have left any one off the list, or you want to join, please let Bill Elliott, VE1MR, know.

May	18	Darryl	VE1DOH
May	25	Charles	VE1MCR
June	1	Herb	VE1HX
June	8	Tom	VE1GTC
June	15	Doug	VE1LDL
June	22	Larry	VA1LW

Coming Events

Tune in to the "Amsat Net" Sunday evenings after the Take-15 Net with Wayne, VE1WPH.

EMO Communications Refresher/New – To be held at HRM EMO HQ May 17 and, if necessary, May 31. Start time is 0900.

This is a one-day course and will include a practical session after lunch. Lunch; bring your own or go to a restaurant in the area.

Bring your manual if this is a refresher for you.

Please contact Tom Caithness, VE1GTC, by Phone 477-7081 or E-mail ve1gtc@rac.ca Just to let me know you are attending
Tom

Weekend of June 7th and 8th – Maritime Museum of the Atlantic is holding a display entitled "The Wonders of the Wireless" demonstrate of CW in Amateur Radio.

More info see "**Calling all CW Operators**" in the right hand column of this page.

June 14 & 15 –

International Museum weekend

June (27), 28, 29 - Field Day

July 19 & 20 2003 – Museum of Ships Special Event

John Goodwin is spearheading this
Phone 865-5731

E-mail ve1cdd@rac.ca

MS Bike Tour – August 9, 10, 2003

Contact Rick Gardner, VE1RGG, to get involved.

August – Lunenburg Steak & Salmon Supper.

August – NSARA Picnic

October 7, 8, 9, 2003 –

APCO Conference - EMO Coordinator, Barry, wants ham presence.

15 or 20 volunteers are needed for Radio & non-radio tasks. In return ham volunteers get free access to the trade show.

(e.g. – Drivers with radio communica-

DOWNEAST FLEAMARKET

When: Saturday June 7, 2003 at 10:00 AM talk-in 147.27 +

Where: the HALIFAX FORUM ANNEX (same as last year) Map and directions will be on the HARC web site soon

Admission \$3 for everybody

OPEN at 6:00 AM for sellers,

10:00 AM for buyers.

....suggest buyers do breakfast at Steak & Stein and 3 minute walk back to the Forum

Usual demonstrations & displays... RAC/DXCC card checking/ IRLP, APRS demos, etc.

We are really going to push to get some momentum back into this fleamarket...we hope for computer tables and will not turn away the XYL's who want to bring crafts and baked goods!

Questions

Table reservations....

ve1nn@rac.ca

David S Nimmo, VE1NN

The Loyalist City Amateur Radio Club (LCARC) Fleamarket will be held May 24, 2003 at Gondola Point, NB. (Near Saint John, NB). Details in last month's Reflector.

World Radiocommunication Conference 2003 will take place in Geneva, Switzerland, from June 9 until July 4, 2003.

tions needed for 2 vans.)

Let's take advantage of a free booth to publicize local amateur radio, RAC and the NSARA at the Trade Show which will be part of APCO (Association of Professional Communications Officers) Conference. Contact Dave George, VE1AJP to arrange your spot.

E-mail ve1ajp@rac.ca

Calling all CW Operators.



The museums of Nova Scotia are hosting a special event weekend. The Maritime Museum of the Atlantic will hold a display entitled "The Wonders of the Wireless". We are looking for CW operators to demonstrate their art and prove that CW is alive and well in Amateur Radio. We are trying to make this a CW only weekend. This can only happen with your support. Come and spend a hour or two with us. Join us in the radio room of the CSS Acadia the weekend of June 7th and 8th.

The CSS Acadia is celebrating it's 90th birthday this year. Check out their web site.

<http://museum.gov.ns.ca/mma/events/events.html>

For more information contact me

John VE1CDD 865-5731

ve1cdd@rac.ca

73 John VE1CDD



MS Bike Tour - August 9-10, 2003

The MS Bike Tour is being held on Aug. 9 & 10 this year. We have about 200 cyclists already registered for this year's event (as of the end of April), compared with about 80 last year at this time. There may be as many as 500 cyclists participating in the event this year. This quantity of cyclists outnumbers the population of most of the towns along the route!

The route will be the same as it has been for the past few years starting at Musquodoboit Harbour, through the scenic Musquodoboit Valley and ending in Truro. There have been only minor changes in the rest stops. Two sites have been changed to allow for ample space for the service vehicles and large quantities of bikes to be clear of the road traffic and clear of the shoulder of the road.

I expect that we will need the assistance of about 20 ham radio operators this year. Several will need their

(Continued on page 3)

PRESIDENT'S NOTES May 2003

This has been another very busy and successful month for club activities. The Satellite group project has now logged about one hundred contacts. The APRS project has been launched with their initial meeting. Also the RAC Annual General Meeting was held in Cornwall, Ontario, with our new Atlantic Director, Dave (VE1NN), and Howard (VE1DHD) both in attendance from our club.

It appears that the RAC AGM went better than expected and Dave tells me that a lot of business was conducted and that things are looking up. Our message to Dave, that was passed at the last meeting, was that he should take a proposal with him to the meeting that would see the RAC President having a tie breaking vote. This appears to have had a positive outcome. By bringing this point forward it was discovered that the President apparently has had the tie breaking vote according to Roberts Rules; however, no one appeared to have been aware of the fact.

It would also appear that although Howard's fine work towards constitutional review may not be on the immediate agenda, there appear to be some positive undercurrents and it will no doubt form the basis for long term discussion and improvements in the overall organization. Things seem to be looking more positive.

Wayne (VE1WPH) has the educational community at the Jr. High and High School level more aware of Amateur Radio than ever in history. The interest in ARISS (Amateur Radio aboard the International Space Station) and space communications has succeeded in raising the interest to a point where some schools are planning amateur radio projects and even establishing stations. This will have a very positive affect on the future and growth of our hobby.

At this month's executive meeting we were reminded that 2004 will be a callbook year. Make sure you are up to date. Also talk it up to others.

It was also tossed around that maybe the RAC National Convention should be in the Maritimes for 2005. What do you think?

Don't forget, the Flea Market is June 7th. Talk it up on the nets and every time you are on the air. See Dave VE1NN for tables (no charge for tables). Tell your XYL and YL there will be a craft table or two as well, so bring along some crafts or baked goods to sell.

There are lots of things happening, come out to the meeting and join the fun. 73 Richard E. Grantham, VE1AI



(Continued from page 2)

(MS Bike Tour)

own vehicles to be able to set up at each of the six rest stops along the route and about a dozen will be required to ride in the service vehicles for first aid, bike repair, sag wagon, and flagger transport.

I have started taking names of people that are able to help this year. If you are willing to help with the Bike Tour and can spare one or two days please let me know by emailing me your name, call sign and phone number and whether or not you have a vehicle. Those not using email can still reach me by phone. I will be calling to confirm the information and to answer any questions you may have.

You typically will need a handheld, mag mount antenna, connectors and plugs for battery/lighter connection. Operators are asked to check their equipment before the event and to bring extra equipment for backup if available.

Rick Gardiner, VE1RGG ph. 902-209-1725 ve1rgg@rac.ca

Maritime CALLBOOK 2004***Are we doing a call book next year?***

As always it is a decision that must be taken and then a commitment made on the part of club members. If we are going to do another book then the team must be assembled in the next few months. While producing this book is a huge undertaking it can be very enjoyable and rewarding. The more club members committed to helping, the easier the job is. There are many tasks to be taken up and completed. In the past several of these have been done by one person and often a task is small and allows a person to do several. Below is a listing of the main positions and most of the tasks that are required.

Editor: - oversees the compilation and production.

Advertising: - selling ads in the book.
- graphics design

Data base: - updating data base

Fillers: - updating and new.

Repeater maps: - updating.

Contacting clubs for updates: -

Proof reading:- checking for errors what others write.

Layout and Design: - cover design and internal layout.

Sales and Distribution: - contacts clubs for pre-sales and contact person for bulk and single sales. Keeps track of the books.

As you can see most of the above tasks contains several jobs and a team can easily work together to complete a portion of the book. If we decide to do a book for 2004 then work must start this summer and most tasks must be well underway in September. Many of the previous people who worked on these books in the past are willing to pass on their information and tips to help those taking on these jobs.



The sole purpose of a child's middle name is so he can tell when he's really in trouble

On Friday April 25, 2003, the **Canadian Red Cross, Nova Scotia Region**, held its 85th Annual General Meeting. At that meeting the Regional Director Mr. John Byrne spoke very highly of the relationship between the Canadian Red Cross and the Senior Amateur Radio Association (SARA). He indicated how helpful it is to have amateur radio operators on hand to assist in emergency situations and that amateur radio operators in general are doing a very good job for Red Cross in Nova Scotia.

73 Joe, VE1CH

Museum of Ships Special Event July 19 & 20, 2003



Three ships in Nova Scotia (Halifax & Bridgewater) are eligible for participation in this event.

EVENT FREQUENCIES

While the participating ships will use any valid amateur frequency the ships will try and stay near the following frequencies:

SSB	CW
3,860 KHz	3,539 KHz
7,260 KHz	7,039 KHz
14,260 KHz	10,109 KHz
18,160 KHz	14,039 KHz
21,360 KHz	18,099 KHz
24,960 KHz	21,039 KHz
28,360 KHz	24,899 KHz
50,160 KHz	28,039 KHz

EVENT PSK 31 OPERATIONS

14.070 MHz
10.142 MHz
18.100 MHz
21.070 MHz
28.120 MHz



Ships using Original Equipment Frequencies will be given out at later date.

John Forrest Jr., VA3USN/XJF
HMCS Haida G-63
e-mail address
va3xjf@aol.com



Fred Benjamin, VE1BSY receiving a 15 year service award from Red Cross Nova Scotia President, Mr. Dennis Holland. Fred was a founding member of SARA



During the Canadian Red Cross Annual General Meeting held on Friday, April 25th, 2003 at the St. Mary's Boat Club in Halifax, the President of the Senior Amateur Radio Association (SARA), Herb Doane VE1HTD presented a plaque to Lillian Hodder, widow of the late Andy Hodder, VE1BV. Looking on are Red Cross President for Nova Scotia, Dennis Holland and Past President of SARA, Helen MacRae, VE1HMR.

The plaque commemorated Andy's many years of devoted service to his family, to SARA and to amateur radio in general.

We could learn a lot from crayons - some are sharp, some are pretty, some are dull, some have weird names, and all are different colorsbut they all exist very nicely in the same box.

Antennas

This is the time of year to think about antennas. With the warmer weather we can now get out and repair winter ravaged antennas, refurbish existing antennas and consider new antennas. A new antenna is not necessarily new but can be new to you from the used market. A used antenna can be purchased for a fraction of the new cost, usually ½ or less. The lower the price the poorer the condition of the antenna, but you will often want to disassemble and refurbish an older antenna anyway. An example might be an HF tri-band beam, often selling for less than 1/3 new cost and with a little effort and a few new bits can be restored to near new condition and give many more years of service. This refurbishing can be carried out on most antennas and with a few new clamps, cleaning and careful tuning will often result in an antenna better able to stand up to the weather than the original.

Having said this the club has several antennas for sale, some completely refurbished, some partially refurbished, some repaired and in need of more work, and some in need of reconditioning. We are first offering these antennas to club members before we put them on the Swapshop.

Completely Refurbished**HYGAIN TH6**

6 element 10-15-20M beam \$600.

Partially Refurbished

Alabama Amateur Electronics

Q-144-6 6 element 2M quad \$50.
vertical or horizontal polarization.

Cushcraft A147-20T

20 element 2M beam \$150.
vertical and horizontal polarization
10 elements in each polarization
requires 2 feedlines.

Repaired

Mosley TA-33

3 element 10-15-20M beam \$200.



These antennas have been tested and tuned or partially tuned for testing. Contact Bill Elliott, VE1MR, if you are interested or want more information on any of these antennas

Industry Canada Announces Formation of National Antenna Tower Policy Review Committee -April 18 2003.....From RAC Headquarters

On Friday, March 28 2003, Allan Rock, Minister of Industry, announced the appointment of the National Antenna Tower Review Committee. The Committee, consisting of municipal officials, as well as industry, health and academic experts, will be chaired by David A. Townsend, Professor of Law at the University of New Brunswick. Professor Townsend, you may recall, authored a previous study on towers.

The announcement outlines the composition of the committee but does not give the detailed process or target dates for the submission of inputs to the committee. Presumably they have been left to Professor Townsend and his colleagues to establish. Professor Townsend and the Committee will consult with citizens, communities and companies on improvements in the policy and siting procedures for antenna tower placement. This review will examine issues, including:

- a) How can the local consultation process regarding the siting of a specific tower be improved?
- b) What are the most appropriate time frames for the processes of approving and resolving debates surrounding specific tower placements?
- c) What means are available to readily identify whether proposed installations may create radiofrequency fields in excess of established exposure limits in areas where people live and work?
- d) What information would most benefit concerned members of the public and how should it be provided?
- e) How and to what extent can tower sharing be utilized in order to reduce the total number of towers?
- f) Can protocols be arranged between local land-use authorities and antenna proponents regarding the planning and siting of antenna structures, visual guidelines and dispute resolution mechanisms?

RAC will participate in the policy review. Comments, suggestions and recommendations pertaining to the technical and operational reasons for amateur towers should be sent to Jim Dean, VE3IQ, RAC Vice-president Regulatory Affairs, at ve3iq@rac.ca

The complete announcement and background information is available at: http://strategis.ic.gc.ca/sc_mrksv/spectrum/engdoc/spect1.html

From RAC Headquarters April 15 2003

1) The RAC Board of Directors has approved the appointment of Bruce Donovan, VE5ND, as National Bulletin Editor. Bruce assumes his duties effective immediately and the bilingual RAC Bulletin Service resumes with issuance of this Bulletin. The Board extends its appreciation to Bruce for volunteering his services and wishes him every success. Thanks also to others who expressed interest in the position.

2) Radio Amateurs of Canada announces the following additions to its Board and Executive: Ian MacFarquhar, VE9IM, was elected by the RAC Board of Directors effective February 17, 2003, to fill the unexpired term of First Vice President, vacated by Joe MacPherson, VE1CH.

3) David S. Nimmo, VE1NN, was declared elected by acclamation for the 2003-04 term, as nominated by RAC members in the Atlantic Region, to the position of Director, Atlantic Region, effective March 5, 2003. The Board welcomes these new Officers and wishes them every success.

Halifax Amateur Radio Club Minutes of the General Monthly Meeting of April 16, 2003.

The meeting was called to order at 19:37 Wednesday, April 16th, 2003 by President Dick Grantham (VE1AI), with Howard (VE1DHD) acting as secretary.

Executive in attendance:

Past President Bill Elliot (VE1MR),
First Vice-President, Fraser MacDougall (VE1WO)

Second Vice-President Lynn Bowser (VE1ENT).

There were 25 members present.

A moment of silence was held for silent keys Adrien Blinn (VE1SZ) and Sauli Arosankari (VE1AIH).

A new member, Brenda (VE1PA) was introduced, and a visitor, Chris Judge was welcomed. Chris (VA1CDB), a recent graduate of the basic course, was also welcomed.

REPORTS:

Treasurer's Report – In the absence of the Treasurer, a bank balance statement was read by the President – \$2631.42, with a couple of cheques outstanding. On a motion by Bill (VE1MR), seconded by Scott (VE1QD) the report of the Treasurer *in absentia* was passed.

Club Station Report – John (VE1CDD) reported that the club satellite station is now up and running thanks to a large extent to the loan of equipment by Bill (VE1MR). John informed the meeting that there are now 11 individuals involved in this project, and 10 assisted in putting in place the satellite tracking antennas and tower on the roof of the Bloomfield Centre. Bill (VE1MR) will give a talk and demonstration of the satellite station on Sunday, April 27th at 2pm at the Club. President Dick congratulated the group on their spirit and efforts. The APRS initiative is the other club project that is still looking for contributors. Those interested in APRS should contact Dave (VE1EDA).

Field Day – President Dick reminded the group that the HARC 2003 Field Day site will be the EMO facility in

Woodside. The Halifax Club will put the VE1FO call on the air on both voice and CW, while the Dartmouth Club will use the VE1YO call to get the “novice” station activated. John (VE1CDD) reminded the group that the “novice” station must be operated only by licensed amateurs who have either not yet been active on HF or who have been inactive for the past two years.

Membership – Tom (VE1GTC) reported 2 life, 25 associate and 81 full members for a total of 108.

Search & Rescue – Dave (VE1AJP) reported no searches. However, he did express the concern of the Search and Rescue Group over the recent significant increase in their liability insurance and the potential effect that this may have on their ability to support community activities. He cited the need to scale back their planned public awareness activities around Emergency Preparedness Week (May 9/10).

Dave reminded the group of the upcoming EMO Amateur Radio Communication Refresher Course that will be offered on Saturday May 17 and 31. President Dick stressed the importance of all contributions that radio amateurs make during disasters, but pointed out that they must be well trained and prepared. These courses offer that training and confidence building.

Dave reminded the club that he is still looking for radio amateurs to volunteer to assist at the upcoming national conference of the Association of Professional Communication Officers, to be held in Halifax in the first week of October.

Finally, it was pointed out that with the recent retirements from the Provincial EMO, there are no longer any HAMS within the administration of that organization. It was agreed that President Dick would organise an information session for the new Provincial EMO administration once the vacancies are filled. The intent being to inform them of the capabilities of the radio

amateur community in times of disaster.

Public Relations – Wayne (VE1WPH) gave a report on ARISS activities, indicating that 40 school teachers have expressed interest in the AIRSS program for students to make contact with the International Space Station. John (VE1CDD) has scanned the ARISS manual and we can now provide this resource to schools on a compact disk. Wayne indicated that there are still some “eye-ball” business cards available if members wish to purchase them. President Dick formally thanked Wayne for his outstanding contributions at the ARISS display at the IMAX Theatre in Bayers Lake during showings of the 3-D movie on the International Space Station.

Flea Market – Ed (VE1EGG) reported on behalf of the Flea Market Committee that the brochures have now been printed and will be widely distributed this week. He also mentioned that a number of presentations are being organised for the Flea Market.

Special Events – It was noted that the MS Walk which is scheduled for May 4th has had a larger than expected registration. Jeremy (VE1JHF) is still in need of operators to help with logistics and communication during the walk, which will start and finish at the Dalhousie Rink. Registration is at 9am and the walk starts at 10:30am.

John (VE1CDD) reported that the club has committed to be involved with the Maritime Museum of the Atlantic CW display on the Acadia – June 7 / 8, and during the June 14/15 International Museum weekend. July 19/20 is the International Ships on the Air weekend.

Entertainment – Lynn (VE1ENT) reminded the group of the speaker for the evening – Wayne (VE1WPH) who will make a presentation on amateur radio and the international space station. The speaker for the May club meeting will be Barry Manual (VE1JRG) speaking on amateur radio involvement in EMO activities.

(Continued on page 7)

OLD BUSINESS:

Poster Boards – Win (VE1WIN) reported that construction was now complete and that the project came in under budget (\$116.25); the club now has four new portable poster boards for display purposes. He demonstrated one of the completed units.

Letters to Lapsed Members – President Dick and Bill (VE1MR) committed to getting these letters out this month.

Support for Radio Amateurs of Canada – the President raised the issue, and brought forward a recommendation from the Executive that the club provide support for a review of the RAC Constitution. There was a lengthy discussion with participation by Howard (VE1DHD) – past RAC Atlantic Regional Director, and David (VE1NN) – current RAC Atlantic Regional Director. Following David's request that support be focused and address the specific issue of the RAC President having a tie-breaking vote, the following motion was moved by Scott (VE1QD) and seconded by George (VE1CAW), that the HARC supports an amendment to the RAC Constitution so that the President has a tie-breaking vote on all Board matters. The motion carried unanimously.

NEW BUSINESS:

President Dick reported that the Club has received a request from the CNIB to provide financial support for their activities related to blind and visually impaired radio amateurs. It was pointed out that the HARC has had a long-standing policy of providing hands-on support to local amateurs who are blind or visually impaired, whether they are members of HARC or not. It was agreed that the club would not make a financial contribution to the CNIB, but would continue with its current policy.

Satellite Project – John (VE1CDD) requested that the Club invest in a pre-amplifier for the satellite station so that Bill (VE1MR) can have his pre-amp loaner returned. The cost approximately \$495.00. The club

annual budget has identified \$1500 for club station upgrades. A motion by John (VE1CDD), seconded by Bill (VE1MR) to purchase a replacement pre-amp was approved.

Flea Market Profit – a motion was presented by Ed (VE1EGG), seconded by Barry (VE1TRI) that half the profits from the 2003 Flea Market be contributed to the Brit Fader Memorial Scholarship Trust. Motion carried.

Door Prize / 50:50 Draw – The door prize (an AC Outlet Polarity Tester) was won by Ray Boucher, associate member, and the 50:50 draw was won by Chris (VA1CDB).

A motion to adjourn was made at 2115 by Lynn (VE1ENT).

Entertainment:

Wayne Harasimovitch (VE1WPH) gave an excellent Power Point presentation on amateur radio in the International Space Station.

Submitted by
Howard Dickson, VE1DHD

The complete W1AW Operating Schedule may be found on page 93 in the April 2003 issue of QST or on the web at,
<http://www.arrl.org/w1aw.html>

From the TPN/SB Newsletter
(Week of Apr. 13 2003)
May 24, 2003 - Tour of the Radio Canada International Shortwave Station - The Kings County Amateur Radio Club is organizing a charter bus day-trip to Sackville, NB, on May 24, 2003, for a tour of the Radio Canada International Shortwave Station located on the Tantramar Marsh. Cost per seat will be \$15.00 minimum. KCARC members and/or friends who wish to participate should contact John, VE1ATT, E-mail Ebickerton@xcountry.tv or Lysle, VE1BZE, E-mail lollipop@glinx.com as soon as possible to reserve a seat.

*A penny saved is
a government oversight.*



From the ARRL Letter, Vol. 22, No. 18
**FCC SEEKS ASSISTANCE IN
CURBING UNLICENSED
10-METER INCURSIONS**

The FCC has requested the assistance of the ARRL Amateur Auxiliary/Official Observers <<http://www.arrl.org/FandES/field/org/oo.html>> in monitoring for illegal operation on 10-meters. The request came in an April 28 letter from FCC Special Counsel Riley Hollingsworth, who says incursions on the band by apparently unlicensed operators continue to be a major enforcement headache.

Since May 11 was Mothers Day ... "Format of the Next Survivor Show"

6 Married men will be dropped on an island with 1 car and 4 kids each, for 6 weeks. Each kid plays two sports and either takes music or dance classes. There is no access to fast food.

Each man must take care of his 4 kids, keep his assigned house clean, correct all homework, complete science projects, cook, do laundry, etc.

The men only have access to television when the kids are asleep and all chores are done. There is only one TV between them and there is no remote.

The men must shave their legs and wear makeup daily, which they must apply themselves, either while driving or while making four lunches.

They must attend weekly PTA meetings; clean up after their sick children at 3:00 A.M; make an Indian hut model with six toothpicks, a tortilla and one marker; and get a 4 year old to eat a serving of peas.

The kids vote them off the island, based on performance. The last man wins only if he has enough energy to be intimate with his spouse at a moment's notice. If the last man does win, he can play the game over and over again for the next 18-25 years - eventually earning the right to be called "Mother."

2003 NSARA CONTEST OFFICIAL RESULTS

The following is the official result for the 5th annual NSARA CONTEST, held March 9, 2003

The NSARA Contest Committee congratulates William Wallace, VE9WW on his repeat as winner of the NSARA contest. VE9WW was the event winner last year, and operated both Phone and CW from Moncton NB. Well done VE9WW!

RESULTS OF THE 5th ANNUAL NSARA *CS* indicates "Clean Sweep"

1. VE9WW - 3024 Pts. *CS* William	15. VE1BYO - 1600 Pts. Tom
2. VE1NN - 2646 Pts. *CS* Dave	16. VE1MTH - 1581 Pts. Mike
3. VE1OP - 2567 Pts. Scott	17. VE1PDO - 1548 Pts. *CS* Phil
4. VE1LV - 2376 Pts. *CS* Hal	18(T) VE1GLW- 1422 Pts. *CS* Jerry
5. VE1PJS - 2088 Pts. *CS* Peter	18(T) VE1DFG- 1422 Pts. *CS* Doug
6. VE1HH - 1980 Pts. *CS* George	20. VE1TRI - 1404 Pts. *CS* Barry
7(T) VE1BEW- 1872 Pts. *CS* Linda	21. VE1LEO - 1392 Pts. Leo
7(T) VE9SAB- 1872 Pts. *CS* Wayne	22. VE1AN - 1350 Pts. Art
9. VE1SKY - 1782 Pts. *CS* Roger	23. VE9VAR - 1290 Pts. Robert
10(T) VE1BN- 1764 Pts. *CS* Don	24. VE1NAN - 1275 Pts. Judy
10(T) VE1AAC-1764 Pts. *CS* Gerry	25. VE1NA - 1258 Pts. Alex
12. VE9HC - 1695 Pts. Hugh	26(T) VE9PG - 1024 Pts. John
13. VE1CHI - 1674 Pts. *CS* Jim	26(T) VE1TL - 1024 Pts. Bev
14. VE1DD - 1664 Pts. John	

The following stations with scores of less than 1000 Points, are listed in alphabetical order.

VE1ACK - Al	VE1JBV - John	VE1VCI - Merle
VE1ARC - Greenwood ARC	VE1LS - Leo	VE1WO - Fraser
VE1AUI - Roy	VE1MOO - Maggie	VE1WSM - Wayne
VE1BBW - Dave	VE1NK - George	VE9CX - Hinson
VE1DHD - Howard	VE1NL - Mack	VE9NIX - Ron
VE1GYS - Antigonish ARC	VE1QY - Barry	VE9PLB - Peter
VE1HC - Fundy ARC	VE1RR - Wayne	VE9TNT - Doug
VE1HS - Avery	VE1SE *CS* EMO Bridgewater	
	VE9WN - Weldon	

There were 51 logs submitted this year and many more stations participated by getting on the air and giving out their counties. Band conditions were fair to good this year which helped out some of the "Field Day" type of operations by several clubs. The battle for first place was close between VE9WW, last year's winner and VE1NN, the winner of the first three contests. Thanks again to the lone stations in several counties. Their efforts allow others to work all 18 counties, while they end up, in most cases, with 17.

Thanks to all who took part in the 2003 NSARA Contest.

The NSARA Contest Committee

April 23, 2003

From the ARRL Letter, Vol. 22, No. 17, April 25, 2003

Temporary permission granted for YA1CQ operation: The Daily DX <<http://www.dailydx.com>> reports that Hiro Nakanishi, JA1CQT, is back in Kabul, Afghanistan, as part of the Basic Human Needs (BHN) contingent. He has been granted temporary permission to operate as YA1CQ until the end of May, although he expects to be in Afghanistan for 12 months. BHN is a nongovernmental organization--or NGO--that's helping with humanitarian relief efforts. Others associated with the BHN team include Ito "Dan" Sadao, JA1PBV. YA1JA is the BHN club call sign.

Emergency Preparedness

Emergencies come in many types and durations. It's not only good boy scouts who know to "BE PREPARED". If you plan to respond as an amateur radio operator to an EMO situation, Chapter 7 of the Emergency telecommunications Guide recommends a number of items to bring with you. Plan & prepare ahead so you aren't searching for stuff at the last minute.

Equipment Requirements:

Radio gear:

2-meter handy-talkie (HT) transceiver

High capacity (charged) battery packs & charger

Mag-mount antenna

Telescoping (HT) antenna

12 volt power supply

Spare fuses for radio

Spare fuses for power supply

Headphones & microphone (if applicable)

Two 15 meter (50 ft.) lengths of coax cable (with connectors)

Two barrel connectors

BNC to SO239 and PL259 adapters

Power bar

Extension cord

Listing of all repeaters in the area

Instruction manual for radio

Writing Gear:

Pens/pencils/eraser

Clipboard

Scrap paper

HRM EMO Message Forms

HRM EMO Radio Log Sheets

You will want not only radio equipment but also the where-with-all to keep yourself comfortable & healthy during the busy and the quiet times when you are on station. Emergency circumstances could be such that you need to be self-sufficient for several days.

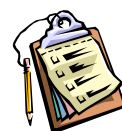
Food/water:

Drinking Water!!! (3 day supply)

Food 3 day supply, non-perishable

Mess kit with cleaning supplies

(Continued on page 9)



(Continued from page 8)

Snacks

Personal gear:

Outer clothing appropriate to the season

Wet weather gear

Cap/hat

Sturdy boots

Change of clothing

Insect repellent

Personal medicine

Toilet articles

Roll of toilet paper

Cot or foam/air mattress

Sleeping bag

Waterproof tarp & rope

Alarm clock

Sun glasses

Sun screen

Soap & towel

Aspirin & Roloids

Waterproof matches & candle

Flashlight with extra bulb & batteries

Small knapsack

Small first aid kit

Extra pair prescription glasses

Tool Box: While a tool kit could contain everything but the kitchen sink the following items will be among the most frequently useful.

Knife

Screwdrivers

Pliers

Wire cutters

Electrical tape

Multimeter

Soldering iron/gun & solder

Various coax connectors

Wire, alligator clips

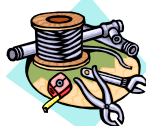
Roll of duct tape

Socket wrenches

15 meters of stout cord

EMO courses May 17 & 31.

Contact Tom Caithness, VE1GTC.



From the TPN/SB Newsletter
(Week of Apr. 20 2003) Amateur
Radio moonbounce beacon helps
set up Arecibo radiotelescope

For the second time in two years, the world's largest radiotelescope received calibration assistance from the nonprofit SETI League, a group comprised primarily of radio amateurs. On April 14, scientists from California's prestigious SETI Institute began two weeks of astronomical observations from the Arecibo Observatory (www.naic.edu) in Puerto Rico. But before they could start looking for intelligently generated signals from the stars, they used the SETI League's low-cost, high-tech Amateur Radio moonbounce beacon (W2ETI) to calibrate their gear. The beacon aims a stable microwave signal at the moon and the weak echoes give radio astronomers on Earth a precise source against which to check the operation of their equipment.

The amateur scientists built the beacon two years ago with a \$5000 grant from the American Astronomical Society. Since then, a number of SETI League members around the world have used it to calibrate their amateur radiotelescopes, and professional searches have found it useful as well. "Before you can search for the unknown," said SETI League executive director Paul Shuch, N6TX, "you have to make sure you can receive and recognize the known." A photo essay documenting the entire moonbounce experiment is available on the SETI League Web site www.setileague.org/photos/eme0403

SETI scientists seek to determine through microwave and optical measurements whether humankind is alone in the universe. Since Congress terminated NASA's SETI funding in 1993, The SETI League and other scientific groups have been attempting to privatize the research.

From the ARRL Letter, Vol. 22, No. 12, INTEREST IN HIGH-SPEED DIGITAL NETWORKS

The ARRL High Speed Multimedia (HSMM) Working Group is surveying the amateur community to gauge interest in IEEE 802.11b "**Hinternet**" activity. The HSMM Working Group encourages spread-spectrum communication modes including such protocols as IEEE 802.11b operating on Amateur Radio frequencies under FCC Part 97 rules. It's adopted Hinternet (a contraction of "ham" and "Internet") as a way to describe the technology. The HSMM Working Group's survey is on the ARRL Web site <<http://www.arrl.org/hsmm>>.

"The primary goal of the survey is to encourage amateurs to get on the air and start playing with this cheap digital microwave gear," says HSMM Working Group Chair John Champa, K8OCL. **Hinternet Radio Local Area Networks (RLANs)** typically use direct-sequence spread spectrum between 2412 and 2437 MHz and are capable of simultaneously carrying audio, video & data signals. Hinternet aficionados adapt commercial 802.11b interfaces to amateur use.

The Hinternet also is the focus of the article "High Speed Multimedia Radio" by Kris Mraz, N5KM, (April 2003 issue of QST)

Hinternet proponent Mark Williams, AB8LN, envisions growth of amateur 802.11b operation to cover all large metropolitan areas in the US. "With some of the Amateur Radio pioneering that we are famous for, we should be able to push this technology to its limits--50, 75 and 100-mile links at 2.4 GHz." He said wireless networks dedicated to Amateur Radio linking hams everywhere with high-speed voice and video are possible.

Amateurs involved in the Texas search for debris from the shuttle Columbia used a 802.11b high-speed system on ham radio to link the net control station with the Internet.

More information is available on the ARRL High Speed Digital Networks and Multimedia Web page

<http://www.arrl.org/hsmm/>

Tech Support:

A customer called Compaq tech support to say her brand new computer wouldn't work. She said she unpacked the unit, plugged it in and sat there for 20 minutes waiting for something to happen. When asked what happened when she pressed the power switch, she asked, "What power switch?"

**Answer to puzzler on page 1**

The oldest radio club in Canada?

Many people coast to coast worked on this one. The best information we received came from Al, VE5MDC, in Saskatoon. He cites references in the excellent book "From Spark to Space" put out by the Saskatoon club. It states that the Wireless Association of Ontario was formed in 1912. Since there were no radio regulations at the time, the Association assigned call letters to members and established basic standards.

From the ARRL Letter, Vol. 22, # 15, IARU admits three new member societies: By vote of its member societies, the International Amateur Radio Union (IARU) <<http://www.iaru.org/>> has admitted three new members. The National Association Radioamateurs of Georgia (NARG), the Federation of Radiosport of the Republic of Armenia (FRRA), and the Vietnam Amateur Radio Club (VARC) officially joined IARU on April 4. NARG was founded September 21, 2000. It has 156 licensed members out of a total of 485 amateurs in the country. The NARG's president is Mamuka Kordzakhia, 4L2M. FRRA was founded January 14, 1999, and counts 84 of Armenia's 128 radio amateurs as members. Its president is George Badalian, EK6GB. VARC was founded as a national organization in July 2002 under the Vietnam Radio-Electronics Association. From February 1996 until July 2002 the VARC was chartered in the Ho Chi Minh City area. Five of its members participated as observers in the 1997 Region 3 Conference in Beijing. The president of VARC is Eng. Nguyen Bac Ai, XV2A/3W6AR. The IARU, founded in 1925, is a worldwide federation of national Amateur Radio societies with members in 156 countries and separate territories. In addition to joining the worldwide IARU, NARG and FRRA become members of IARU Region 1 and VARC becomes a member of IARU Region 3.

--IARU news release

A.P.R.S. NEWS

from David, VE1EDA

The first meeting of the APRS group was held on Saturday, May 3, at 1400 at the club station. There were 6 members at the meeting and regrets from one. After some round table discussion, Bill, VE1MR, gave a demo of his APRS set up. This led to questions on equipment and the best and easiest way to get started. Thanks to Tom, VE1GTC, for the demo on the TINYTRAK software and to John, VE1CCD, for having UI_VIEW running on a computer. I know that a lot of the members will question about APRS - so if you wish to find out more come out to our next meeting, Wednesday, May 28, 1900 at the club station.

APRS Automatic Position Reporting System

TINYTRAK Is a GPS position encoder which, when connected to a GPS and a radio will transmit it's location.

UI_VIEW One of the computer programs for APRS .

Author(s): Bob Bruninga, **WB4APR@amsat.org**

APRS is a real-time tactical digital communications protocol for exchanging information between a large number of stations covering a large (local) area. As a multi-user data network, it is quite different from conventional packet radio.

APRS is different from regular packet in four ways. First by the integration of maps and other data displays to organize and display data, second, by using a one-to-many protocol to update everyone in real time, third, by using generic digipeating so that prior knowledge of the network is not required, AND FORTH, since 1997, a worldwide transparent internet backbone, linking everyone worldwide. APRS turns packet radio into a real-time tactical communications and display system for emergencies and public service applications (and global communications). Normal packet radio has only shown usefulness in passing bulk message traffic (Email) from point to point. It has been difficult to apply conventional packet to real time events where information has a very short life time and needs to get to everyone.

Although the recent interfaces to the Internet make APRS a global communications system for live real-time traffic, this is not the primary objective. But like all of our other radios, how we use APRS in an emergency of special event is what drives the design of the APRS protocol. Although APRS is used 99% of the time over great distances, and benign conditions, the protocol is designed to be optimized for short distance real-time crisis operations.

APRS provides universal connectivity to all stations by avoiding the complexity and limitations of a connected network. It permits any number of stations to exchange data just like voice users would on a voice net. Any station that has information to contribute simply sends it, and all stations receive it and log it. Secondly, APRS recognizes that one of the greatest real-time needs at any special event or emergency is the tracking of key assets. Where is the Event Leader? Where are the emergency vehicles? What's the Weather at various points in the County? To answer these questions, APRS is a full featured automatic vehicle location and status reporting system too. It can be used over any 2-way radio system including HAM, CB, Marine Band, and Cellular Phone. See CB.txt and CELLULAR.tt. Now there is even a nationwide LIVE APRS tracking network on the Internet! See APRSnet.txt or you can connect by Phone line and modem. See APRStel.txt

APRS is on 144.39 throughout the North American Continent. Other countries often use other frequencies. Check locally.